

## OZONE IRRIGATOR

### Abstract

This portable appliance can be used to clean teeth by liquid  
5 (water or solution) containing dissolved ozone, which is a potent  
oxidizer and germ killer. Preferably, its cleaning action is enhanced by  
pulsations of the liquid stream. The dissolved ozone can reduce or  
eliminate gingivitis, gum bleeding, bad breath, teeth stains, and harmful  
oral bacteria. This appliance can also be used for nasal irrigation for  
10 sinusitis treatment and for ear irrigation, eye care, and general  
cleaning. Additionally, since its output pump is independent of the  
ozone dissolving system, the ozone dissolving system can be  
configured as an add on device for an oral irrigator such as a Water  
Pik™ manufactured by WaterPik Technologies, Inc. In this  
15 configuration, the ozonated liquid is delivered by either gravity or  
pumped flow, to the original reservoir connection with the irrigator  
serving as the delivery portion of this invention.